



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13445-022001	Application No. 10/720,606
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Vladimir Fuflyigin et al.	
		Filing Date November 24, 2003	Group Art Unit 2883

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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ca	AEEE	2005/0226579	10/13/2005	Fink et al.			
ca	AFFF	2005/0259933	11/24/2005	Temelkuran et al.			
ca	AGGG	2005/0259934	11/24/2005	Temelkuran et al.			
ca	AHHH	2005/0259942	11/24/2005	Temelkuran et al.			
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
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ca	ALLL	0 195 630	09/1986	Europe				
ca	AMMM	0 426 203	05/1991	Europe				
ca	ANNN	2000-035521	02/2000	Japan				
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ca	AQQQ	WO 94/16345	07/1994	WIPO				
ca	ARRR	WO 97/01774	01/1997	WIPO				
ca	ASSS	WO 00/22466	04/2000	WIPO				
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Examiner Initial	Desig. ID	Document
ca	AUUU	A. Asseh, et al., "10cm Yb <sup>3+</sup> DFB fibre laser with permanent phase shifted grating", Electron. Lett., 31 (12): 969 (1995).
ca	AVVV	A. S. Oliveira et al., "Frequency upconversion in Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped chalcogenide glass," Appl. Phys. Lett, 72 (7): 753-755 (1998).
ca	AWWW	A. T. Clausen et al., "10-GHz return-to-zero pulse source tunable in wavelength with the single- or multiwavelength output based on four-wave mixing in a newly developed highly nonlinear fiber," IEEE Photon. Technol. Lett., 13 (1): 70-72 (2001).
ca	AXXX	Andrea Melloni et al., "All-optical switching in phase-shifted fiber Bragg grating," IEEE Photonics Technology Letters, 12 (1): 42-44, January 2000.

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12	AYYY	B. E. Little et al., "Microring resonator arrays for VLSI photonics", IEEE Photon. Technol. Lett., 12 (3): 323-325 (2000).
12	AZZZ	Berger V. "From photonic band gaps to refractive index engineering." Optical Materials, 11:2-3, Jan. 1999, pp. 131-142.
12	AAAAA	B. J. Eggleton et al., "All-optical switching in long-period fiber gratings," Optics Letters, 22 (12): 883-885, June 15, 1997.
12	ABBBB	B. J. Eggleton et al., "Grating resonance in air-silica microstructured optical fibers", Opt. Lett., 24 (21): 1460 (1999).
12	ACCCC	B. Malo, et al., "Photosensitivity in phosphorous-doped silica glass and optical waveguides," Appl. Phys. Lett 65 (4): 394 (1994).
12	ADDDD	Chang et al. "Vector Normal Modes on Two-Core Optical Fibers – Part I: The Normalmode solutions." Journal of Lightwave Technology, 15:7, Jul. 1997, pp. 1213-1223.
12	AEEEE	D. Furniss et al., "A novel approach for drawing optical fibers from disparate core/clad. glasses," J Non-Cryst. Sol. 213-214: 141-146 (1997).
12	AFFFF	E. Anderson et al., "Dielectric Materials for Manufacturing Photonic Bandgap Waveguide," US Patent Disclosure, (2001).
12	AGGGG	E. Brinkmeyer, et al., "Fibre Bragg reflector for mode selection and line-narrowing of injection lasers", Electron. Lett., 22 (3): 134 (1986).
12	AHHHH	Feigel A. et al. "Chalcogenide glass-based three-dimensional photonic crystals." Applied Physics Letters, 77:20, pp. 3221-3223, November 13, 2000.
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12	AJJJJ	G. Meltz, et al., "Formation of Bragg gratings in optical fibers by a transverse holographic method", Opt.Lett., 14 (15): 823 (1989).
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12	ALLLL	H.A. Haus, et al., "Antisymmetric taper of distributed feedback lasers", IEEE J. Quantum Electron., QE-12 (9): 532 (1976).
12	AMMMM	I. Gannot, et al., "Current Status of Flexible Waveguides for IR Laser Radiation Transmission", IEEE J. Sel. Topics in Quantum Electr., IEEE Service Center, 2 (4): 880-888 (Dec 1996).
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12	AOOOO	J. Kobelke et al., "Chalcogenide glass single mode fibers--preparation and properties," J. Non-Crystalline Solids, 256-7: 226-231 (1999).
12	APPPP	J. M. Harbold et al., "Highly nonlinear As-S-Se glasses for all-optical switching," Optics Lett., 27 (2): 119-121 (2002).
12	AQQQQ	J. Marchionda et al., "Advanced rod in tube techniques for fluoride fiber fabrication," Ceramics Transactions, Solid-State Optical Materials, eds. Allan J. Bruce and B.V. Hiremath, 28: 587-596 (1992).
12	ARRRR	Johnson et al., "Low-loss asymptotically single-mode propagation in large-core OmniGuide fibers," OPTICS EXPRESS, Vol. 9, No. 13, pages 748-779, December 17, 2001.
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12	ATTTT	Jia Jiang et al., "Fluorophosphate cladding glasses for fluoride glass fibers," J Non-Cryst. Sol., 213 and 214: 11-15 (1997).
12	AUUUU	J-X Cai, et al., "Simultaneous tunable dispersion compensation of many WDM channels using a sampled nonlinearly chirped fiber Bragg grating", IEEE Photon. Tech. Lett., 11 (11): 1455 (1999).

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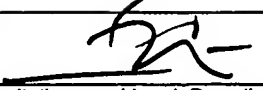
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AVVVV	K. O. Hill, et al., "Photosensitivity in optical fiber waveguides: Application to reflection filter fabrication", Appl. Phys. Lett., 32 (10): 647 (1978).
AWWWW	K. O. Hill, et al., "Efficient mode conversion in telecommunication fibre using externally written gratings", Electron. Lett., 26 (16): 1270 (1990).
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AAAAA	Massadegh R. et al. "Fabrication of single-mode chalcogenide optical fiber." Journal of Lightwave Technology, 16:2, pp. 214-216, February 1998.
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APPPP	Sanghera, J.S. et al. "Fabrication of long lengths of low-loss IR transmitting AS40S (60-X) sex glass fibers." Journal of Lightwave Technology, 14:5, pp. 743-748, May 1, 1996.
AQQQQ	S. Coen et al., "White-light supercontinuum generation with 60-ps pump pulses in a photonic crystal fiber," Opt. Lett., 26 (17): 1356-1358 (2001).
ARRRR	S. Ramachandran and S. G. Bishop, "Low loss photoinduced waveguides in rapid thermally annealed films of chalcogenide glasses," Appl. Phys. Lett., 74 (1): 13-15 (1999).
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6	ATTTTT	T. Cardinal et al., "Non-linear optical properties of chalcogenide glasses in the system As-S-Se," J. Non-Crystalline Solids, 256-7: 353-360 (1999).
12	AUUUUU	T.A. Birks et al., "Dispersion Compensation Using Single-Material Fibers," IEEE Photonics Technology Letters, 11 (6): 674-676 (1999).
16	AVVVVV	Y. Fink et al., "Block copolymers as photonic band gap materials," J. Lightwave Tech., 17 (11): 1963-1969, (JLT IEEE-special issue on photonic crystals-invited paper) (1999).
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42	AZZZZZ	Yoel Fink et al., "A dielectric omnidirectional reflector," Science, 282: 1679-1682 (1998).
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